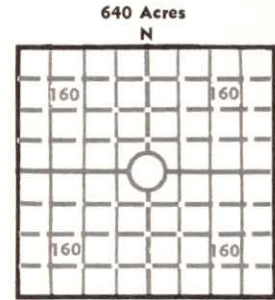


State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

API No. 15 — 135 — 20948
County Number

S. 31 T. 16S R. 26 E
W
Loc. NW NW SE
County Ness



640 Acres
N
Elev.: Gr. _____
DF _____ KB 2648

Operator
Thunderbird Drilling, Inc.

Address
P. O. Box 18407, 7701 East Kellogg, Wichita, Kansas 67218

Well No. 1 Lease Name Jennison

Footage Location
feet from (N) (S) line _____ feet from (E) (W) line _____

Principal Contractor Strata Drilling Company Geologist Stanton S. Cox, Jr.

Spud Date September 27, 1974 Total Depth 4625' P.B.T.D. _____

Date Completed October 10, 1974 Oil Purchaser _____

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/4"	8-5/8"	20#	306.73'	Common	175	2% Gel 3% C. C.
Prod.							

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	5/8" Jet	4192-98 4160-64
			"	"	4100-04
			"	"	4087-92
			"	"	4014-22

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	4250	None

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gal. M. A.	4192-98
2250 gal. 28% w/300# J145 Plug	4087-92 & 2100-04
1750 gal. 28%	4014-22

INITIAL PRODUCTION

Date of first production 10-28-74 Producing method (flowing, pumping, gas lift, etc.) Swab

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	<u>24 BO/hr.</u> bbls.	<u>None</u> MCF	<u>6BW/hr.</u> bbls.	CFPB

Disposition of gas (vented, used on lease or sold) _____ Producing interval (s) Lansing-KC

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator _____ DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Well No. 2 Lease Name Popp "B" Oil Producer

S 31 T 16 R 26 W

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #1 3992-4030. Rec. 30' O&GCM, 90' HO&GCM, 180' froggy oil FP 58-173, BHP 797-786			Log Tops: Anhydrite	+ 604
			B. Anhy.	+ 570
			Heebner	-1240
			Toronto	-1260
DST #2 4072-4096. Rec. 90' slightly oil cut mud. FP 46-69, BHP 230-230.			Lansing	-1280
			BKC	-1596
			Marmaton	-1642
DST #3 4080-4118. Rec. 210' oil and gas cut mud RP 71-121, BHP 294-294.			Pawnee	-1736
			Ft. Scott	-1791
			Cherokee	-1816
DST #4 4114-4145. Rec. 20' mud w/show of oil. FP 52-61, BHP 69-61.			Miss.	-1906
			T. D.	-1976
DST #5 4151-4180. 900' GIP, 100' O&GCM, 90' watery OCM, 180' MW FP 52-199, BHP 346-337.				
DST #6 4177-4215. Rec. 60' SOCM, 90' O&GCM, 90' thin OCM FP 69-121, BHP 554-536.				
DST #7 4278-4350. Rec. 100' gas, 60' G&OCM FP 69-87, BHP 173-147				
DST #8 4424-4480. Rec. 40' SO&GCM, 180' O&GCWM, 90' SOCSW, 270' water. FP 60-294, BHP 458-450.				

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.



Date Received

Signature

Title

Date